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L1: Entry 1 of 5

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020012968

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020012968 A1

TITLE: Novel drosophila tumor necrosis factor class molecule ("DmTNF") and variants thereof

PUBLICATION-DATE: January 31, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Carroll, Pamela M.	Princeton	NJ	US	
Chen, Jian	Princeton	NJ	US	
Ramanathan, Chandra S.	Wallingford	CT	US	
Xiao, Hong	Princeton Junction	NJ	US	
Guan, Bo	Princeton	NJ	US	
Bowen, Michael A.	Lawrenceville	NJ	US	

US-CL-CURRENT: 435/69.5; 435/348, 435/7.1, 530/351, 800/13

## ABSTRACT:

The present invention provides novel polynucleotides encoding Drosophila DmTNF polypeptides, fragments and homologs thereof. The present invention also is directed to novel polynucleotides encoding two Drosophila DmTNF variants, DmTNFv1 and DmTNFv2 polypeptides, fragments and homologs thereof. Also provided are vectors, host cells, antibodies, and recombinant and synthetic methods for producing said polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of the polynucleotides and polypeptides of the present invention, in addition to methods of genetically modifying Drosophila or cultured cells to express or mis-express DmTNF, DmTNFv1, or DmTNFv2. The invention also relates to the use of such modified insects or cells to characterize DmTNF activity, identify TNF-like genes and/or genes implicated in modulating TNF, characterize TNF signaling pathways, and/or to identify modulators of DmTNF activity.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

☐ 2. Document ID: US 6329143 B1

L1: Entry 2 of 5

File: USPT

Dec 11, 2001

US-PAT-NO: 6329143

DOCUMENT-IDENTIFIER: US 6329143 B1

TITLE: Very large scale immobilized polymer synthesis

DATE-ISSUED: December 11, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stryer; Lubert	Stanford	CA		
Pirrung; Michael C.	Durham	NC		
Read; J. Leighton	Palo Alto	CA		
Fodor; Stephen P. A.	Palo Alto	CA		

US-CL-CURRENT: 435/6; 205/687, 205/688, 250/302, 422/50, 422/68.1, 435/7.1, 436/501, 436/518, 536/22.1, 536/25.32

## ABSTRACT:

A method and apparatus for preparation of a substrate containing a plurality of sequences. Photoremovable groups are attached to a surface of a substrate. Selected regions of the substrate are exposed to light so as to activate the selected areas. A monomer, also containing a photoremovable group, is provided to the substrate to bind at the selected areas. The process is repeated using a variety of monomers such as amino acids until sequences of a desired length are obtained. Detection methods and apparatus are also disclosed.

10 Claims, 41 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
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☐ 3. Document ID: US 6291183 B1

L1: Entry 3 of 5

File: USPT

Sep 18, 2001

US-PAT-NO: 6291183

DOCUMENT-IDENTIFIER: US 6291183 B1

TITLE: Very large scale immobilized polymer synthesis

DATE-ISSUED: September 18, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pirrung; Michael C.	Durham	NC		
Read; J. Leighton	Palo Alto	CA		
Fodor; Stephen P. A.	Palo Alto	CA		
Stryer; Lubert	Stanford	CA		

US-CL-CURRENT: 435/6; 435/5, 536/22.1, 536/23.1, 536/24.3

## ABSTRACT:

A method and apparatus for preparation of a substrate containing a plurality of sequences. Photoremovable groups are attached to a surface of a substrate. Selected regions of the substrate are exposed to light so as to activate the selected areas. A

monomer, also containing a photoremovable group, is provided to the substrate to bind at the selected areas. The process is repeated using a variety of monomers such as amino acids until sequences of a desired length are obtained. Detection methods and apparatus are also disclosed.

36 Claims, 43 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
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☐ 4. Document ID: US 6261776 B1

L1: Entry 4 of 5

File: USPT

Jul 17, 2001

US-PAT-NO: 6261776

DOCUMENT-IDENTIFIER: US 6261776 B1

TITLE: Nucleic acid arrays

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pirrung; Michael C.	Durham	NC		
Read; J. Leighton	Palo Alto	CA		
Fodor; Stephen P. A.	Palo Alto	CA		
Stryer; Lubert	Stanford	CA		

US-CL-CURRENT: 435/6, 435/7.92, 435/7.94, 435/7.95, 435/969, 435/973, 436/518,  
436/527, 436/807, 436/809, 530/334, 536/24.3, 536/24.32, 536/25.32

ABSTRACT:

A method and apparatus for preparation of a substrate containing a plurality of sequences. Photoremovable groups are attached to a surface of a substrate. Selected regions of the substrate are exposed to light so as to activate the selected areas. A monomer, also containing a photoremovable group, is provided to the substrate to bind at the selected areas. The process is repeated using a variety of monomers such as amino acids until sequences of a desired length are obtained. Detection methods and apparatus are also disclosed.

39 Claims, 41 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
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☐ 5. Document ID: US 5830859 A

L1: Entry 5 of 5

File: USPT

Nov 3, 1998

US-PAT-NO: 5830859

DOCUMENT-IDENTIFIER: US 5830859 A

TITLE: Complex for inducing bone growth in the maxillary sinus

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schmidt; Karlheinz	72810 Gomaringen			DEX

US-CL-CURRENT: 514/12; 424/422, 424/484, 514/21, 514/56, 530/356

ABSTRACT:

A protein complex for inducing growth of bone in the maxillary sinus of an animal is disclosed. The complex is generally made from animal bone, defatted, demineralized, ground, slurried, and fractional such that functional structural, adhesive, chemotaxis, and growth components are isolated and purified.

11 Claims, 10 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
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